

**BASTIDE et al.**  
**U.S. National Phase of PCT/FR2004/003129**

**AMENDMENTS TO THE ABSTRACT**

Please insert the Abstract of the Disclosure which is on the attached sheet.

## ABSTRACT OF THE DISCLOSURE

The invention relates to a spray pyrolysis method characterized in that it is used in the synthesis of nanoparticles with a closed structure of metal chalcogens having a lamellar crystallographic structure of general formula  $M_aX_b$ , wherein M represents a metal and X represents a chalcogen, a and b represent the respective proportions of metal and chalcogen, and in that it comprises pyrolysis of a liquid aerosol obtained from a solution of at least one metal precursor (M) and a chalcogen (X), or at least one precursor of said metal (M) and at least one precursor of said chalcogen (X) dissolved in a solvent, said solution being atomized into fine droplets in a suspension in a vector gas.